September 4, 1963

Prof. Joshua Lederberg Department of Genetics Stanford Medical Center Palo Alto, California

Dear Josh:

I don't know a name for your series. But you could call it "Hanoi". For it is precisely the order in which pieces are moved to solve the pyramid puzzle,



called "Tower of Hanoi".

The solution, your series, is essentially unique, except for backtracking. I don't know anything about your generating process, which might be represented as

$$2^{Hn} - 1 = (n)_2 XOR(n - 1)_2$$

Hn = log[(R)XOR(n - 1) + 1]or

Sincerely,

Marvin Minsky

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